


Water Trails and Low-head Dam Mitigation

DNR River Programs
Land and Waters Bureau

Solving dam problem, engaging with water trails, and restoring rivers.



What We Do

	Water Trails serves recreational river and lake users.		Dam mitigation serves communities and state interests for safer, ecologically sound approaches.
	Protected water areas program works toward voluntary riparian corridor protection in five scenic river segments.		Team supports river clean-ups .
	River safety education , including train-the-trainers naturalist schools, livery classes.		Team has growing abilities in stable channel design / river restoration .

Iowa Code 464A.11

Instructed DNR to
establish a water
trails and low-head
dam public hazard
program

Study waterways for
river use and
develop statewide
plans

Develop criteria for
prioritizing dam
mitigation and water
trail development

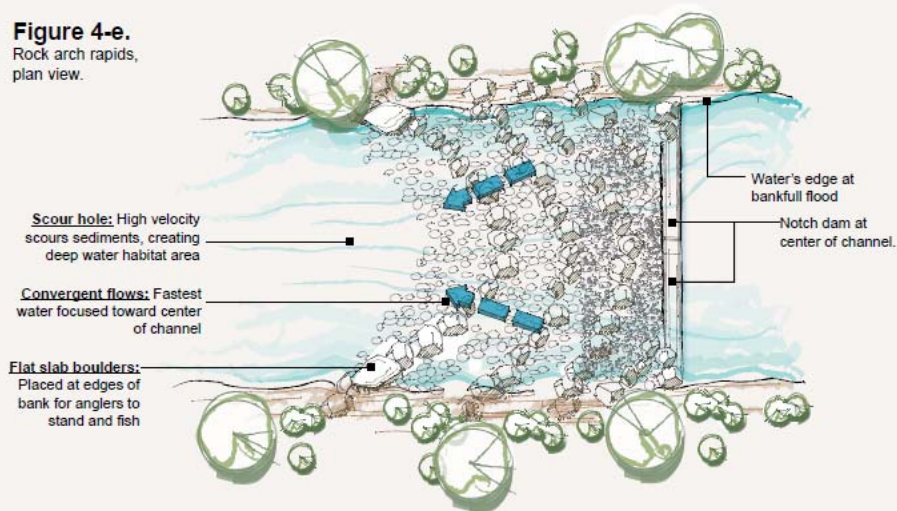
\$250,000
appropriated



Rock arch rapids, plan view

Figure 4-e.

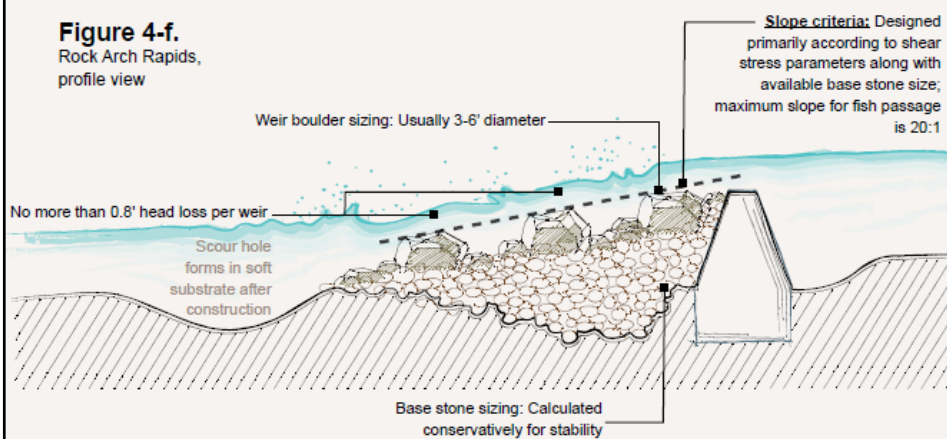
Rock arch rapids,
plan view.



Rock arch rapids, profile view

Figure 4-f.

Rock Arch Rapids,
profile view









Program History: Appropriation History to the Low-head Dam Public Hazard and Water Trails Programs

Fiscal Year	Low Head Dam Public Hazard / Water Trails Appropriations	Notes
2008	\$200,000	
2008	\$250,000	Funds appropriated to develop statewide plans for water trails and dams
2009	\$1,000,000	\$1 million appropriated, rescinded by governor for use in flood relief program
2010	\$800,000	
2010	\$850,000	I-JOBS funds
2011	\$0	
2012	\$75,000	Vetoed
2013	\$1,000,000	
TOTAL	\$3,100,000	

Capital Expenditures Fiscal Year 2008 to through Fiscal Year 2013

Expenditures Category	Amount
Grants	\$1,735,000
Statewide plans for water trails and low-head dam mitigation	\$250,000
State dam mitigations	\$630,000
Technical assistance and reviews, dam mitigation	\$145,000
Conservation Corps Crew	\$210,000
Equipment purchases	\$80,000
Transfer to operations	\$50,000
TOTAL	\$3,100,000

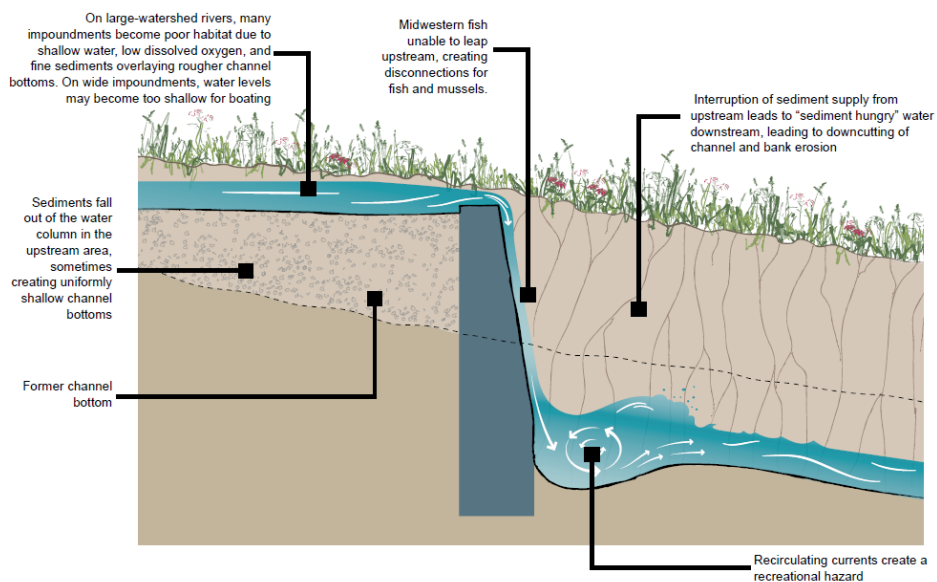
FY2013 Low-head Dam Public Hazard and Water Trails Program

Low-head Dam Mitigation Grants	\$380,000
Palisades-Kepler State Park Dam Public Hazard Mitigation	\$180,000
State-priority Dam Mitigation Technical Assistance	\$60,000
Water trails / Protected Water Area Stream Bank Restoration Pilot Projects	\$20,000
Administration	\$75,000
Water Trails Crew Assistance	\$80,000
Water Development Planning Contracts	\$205,000

Dam Mitigations for FY2013

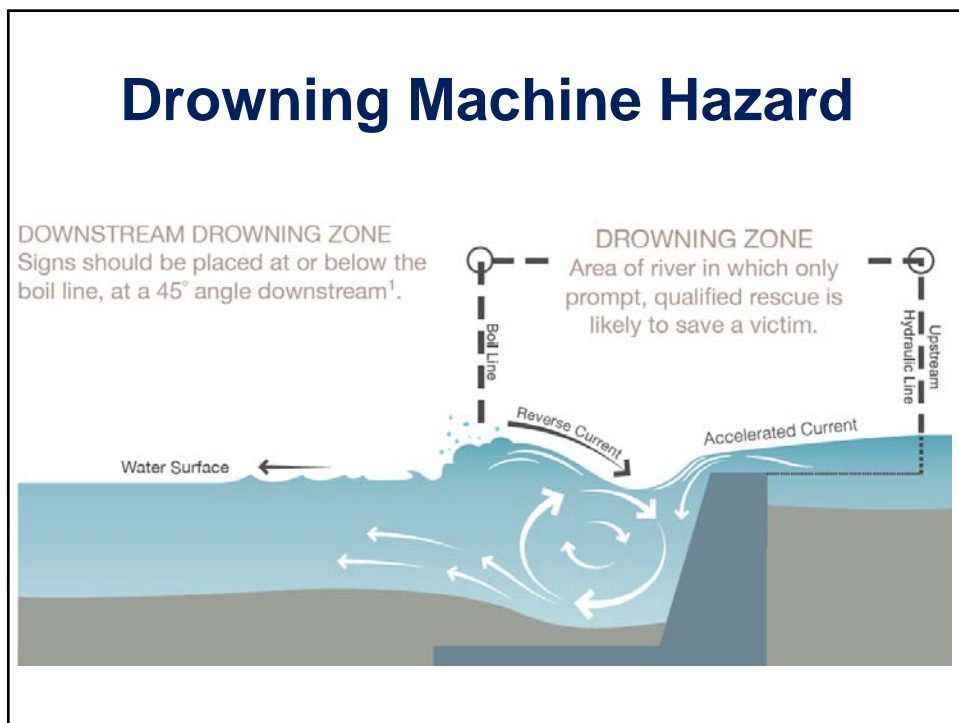
Project Name-Low Head Dam	Sponsor	Awarded	Project Total
Cedar Lake Dam Portage Trail	City of Nashua	\$7,896	\$9,870
Rockford Dam Removal Design Phase-Burlington Street Dam Mitigation / Whitewater Park	Floyd County Conservation Board City of Iowa City	\$30,000 \$50,000	\$108,560 \$310,000
Whitewater and Habitat Improvements at the Marion Street Dam	City of Manchester	\$200,000	\$1,600,000
Quasqueton Rock Arch Rapids	City of Quasqueton	\$48,521	\$356,330
Mon Mag Dam Modification- Maquoketa River Restoration	Jones County Conservation Board	\$43,521	\$156,625
Palisades-Kepler State Park Dam	Iowa DNR	\$180,000	\$400,000
TOTALS		\$560,000	\$2,941,385

Common Problems With Dams



Failures / Maintenance costs





Changing power



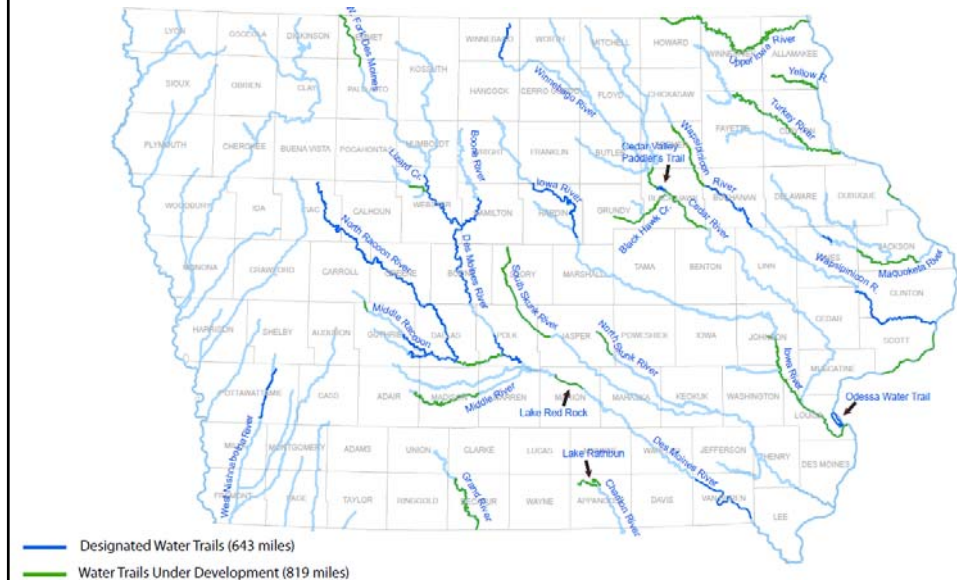


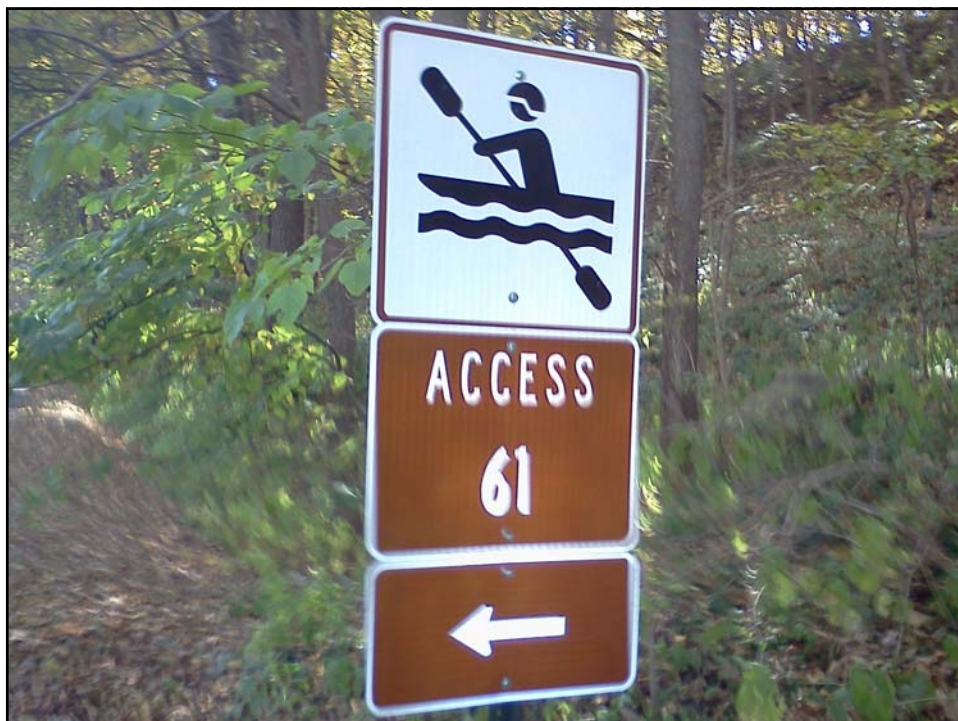


A water trail...

- **Helps Iowans find water adventures, family fun, and a remote sense of solitude.**
- **Creates economic development and quality of life opportunities, for a modest investment.**
- **Provides a good outlet for those who need to get out in the wild, even when gas prices are high.**

Iowa Water Trails









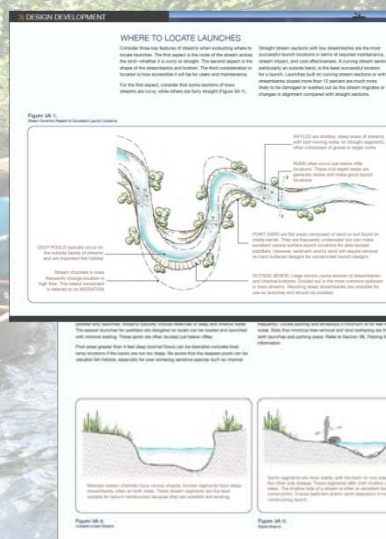






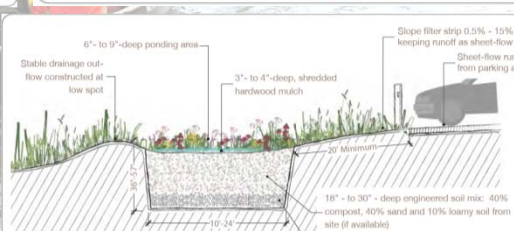
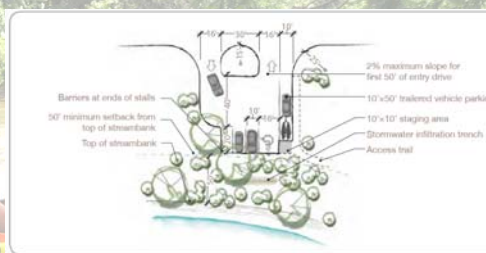
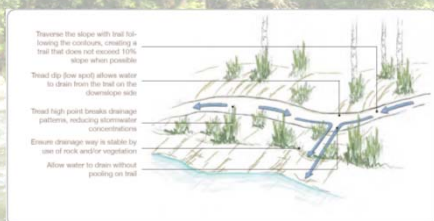
State Role

- Guidelines
- Templates
- Planning and technical assistance.
- Funding
- Law enforcement



Trailheads / portage trails

- Resources any trail developer can use















www.iowadnr.gov/riverprograms/